AQ11005880

Maricopa County
Air Quality Department

Mail all Applications to:
MCAQD One Stop Shop
Permit Application Intake
501 N. 44th Street, 2nd Floor
Phoenix AZ 85008-6538
Fax: (602) 372-1078

Air Quality Department Offices
Phone: (602) 506-6735
Web Site: http://www.maricopa.gov/aq/

App ID – 390962 – 040136

NOTIFICATION OF MINOR MODIFICATION AT A CURRENTLY PERMITTED FACILITY

MARICOPA COUNTY AIR QUALITY DEPT
OCT 11 2011
ONE STOP SHOP

Per Rule 220, Section 405 and Section 406, this notification must be submitted for a currently permitted facility for a minor permit revision. This notification is not required for changes in work schedules or relocation of equipment for similar use within a permitted facility.

Submit this notification prior to making the modifications. If confidentiality is claimed pursuant to ARS §49-487, a fully completed application with confidential information clearly identified along with a separate copy of the application for public review without the confidential information and a written justification for the confidentiality claimed must be submitted. Complete both sides by typing or printing legibly. A filing fee of $200.00 must accompany your application. If the application is submitted as a result of receiving a notice of violation (NOV), an additional $100.00 late fee must accompany the application. Before the permit is issued, the Permittee will be billed for all permit processing time required for a billable permit action at a rate of $136.20 per hour, adjusted annually under Department Rule 280 (Fees), §304. An annual administrative fee will also be charged per Rule 280, §302.2. For questions regarding billing, call (602) 372-1071.

BUSINESS NAME: Hickman's Family Farms	EXISTING **AIR QUALITY PERMIT NUMBER** FOR THIS SITE: 040136 (App ID# 390962)
ADDRESS OF SITE: 32425 W. Salome Hwy	
CITY: Arlington STATE: AZ ZIP CODE: 85322	TELEPHONE AT SITE: 623-386-1333
CONTACT PERSON: Francisco G. Ruiz (Frank)	
MAILING ADDRESS: 32425 W. Salome Hwy	
CITY: Arlington STATE: AZ ZIP CODE: 85322	TELEPHONE: 623-386-1333
FAX: 623-386-1382	E-MAIL: fruiz@hickmanseggs.com

BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THIS DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE

DATE 10/7/2011 SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS [signature]

TYPE OR PRINT NAME AND TITLE Francisco G. Ruiz Safety Coordinator

DO NOT WRITE IN THIS SPACE.

REVIEWED BY Sara Seiberling 5/18/12 DATE

☒ APPROVED ☐ DENIED

REASON FOR DENIAL:

1. NARRATIVE DESCRIPTION OF THE PROPOSED MODIFICATION:

A new mill building is proposed to be built on the chunk of property that is owned by Hickman Farms. This mill will supply Hickman's with feed for numerous of Hickman chicken barns. The site will be able to receive key ingredients required by semi-trucks. The offloaded product to be stored in a cluster of bins till the desired product is required. All desired product will be discharged in a large mixer and mixed till a constant feed is formed. Once the final feed is made it will be storage in another cluster of bins till the trucks can deliver the product to the chicken barns.

2. PROVIDE A LIST OF EQUIPMENT AND EMISSION CONTROL DEVICES WHICH WILL BE INSTALLED OR MODIFIED:

ASSIGNED EQUIPMENT NUMBER	DESCRIBE EACH PIECE OF EQUIPMENT INCLUDE MAKE & MODEL	DATE OF INSTALLATION OR MODIFICATION	HOW MANY	HP, KVA GALLONS OR OTHER RATING (Specify Units)	EXHAUST	
					VENT TO AIR	VENT TO CONTROL (Identify)
N/A	**Rec'g, Mash & Grinding Bucket Elevators Schlagel Equipment**	**2012**	**4**	**120 TPH to 10,000 BPH**	**Yes**	-
N/A	**Rec'g, Reclaim, Grinding & Transfer Conveyors Schlagel Equipment**	**2012**	**5**	**120 TPH to 10,000 BPH**	**Yes**	-
N/A	**Micro System & Reclaim Screw Conveyors Schlagel Equipment**	**2012**	**30**	**Less than 75 TPH**	**Yes**	
N/A	**6 Ton Mixer Scott Equipment**	**2012**	**1**	**120 TPH**	**Yes**	
N/A	**Distributor Schlagel Equipment**	**2012**	**5**	**120 TPH to 10,000 BPH**	**Yes**	
N/A	**Grinding System RMS Roller-Grinder**	**2012**	**1**	**50 TPH**		**Bin Vent Filter w/ Air Plenum & Airlock**
N/A	**Ingredient Bins CW Welding/ Chief Industries**	**2012**	**20**	**28 Tons to 25,400 Bushels**	**Yes**	
N/A	**Loadout Bins**	**2012**	**6**	**30 Tons**	**Yes**	
N/A	**Flat Storage Building Bunger Steel/ Standard Structures**	**2012**	**1**	**2,500 Tons**	**Yes**	
N/A	**Micro System & Tote Bins**	**2012**	**12**	**1 Ton or Less**	**Yes**	

3. MATERIALS LIST: List all materials handled, stored, processed, used, mixed, treated, or emitted. Include chemicals, mixtures, resins, cleaning compounds, etc., in this list. Identify each material in sufficient detail and provide material safety data sheets (MSDS).

MATERIAL	ANNUAL USAGE OR THROUGHPUT	CHEMICAL COMPOSITION (% by weight)	EQUIPMENT NUMBER IN WHICH USED
Corn	128640 ton's		Used in receiving,grinding mixing equipment
Soybean meal	55800 ton's		Used in receiving , mixing equipment
Meat & bone meal	17400 ton's		Used in receiving ,mixing equipment
Pet food fines	3600 ton's		Used in receiving & mixing equipment
Limestone	26040 ton's		Used in receiving , mixing equipment
Fat	10800 ton's		Mixing equipment
Salt	600 ton's		Mixing equipment ,micro system
Trace Mineral premix	120 ton's		Micro system, Mixing equipment
Layer premix	144 ton's		Micro system, Mixing

			system
Lysine	180 ton's		Micro system , Mixing system
Tylan 40	120 ton's		Micro system, Mixing system
Choline Chloride	108 ton's		Mixing system
Methionine Hydroxy analog liquid	650 ton's		Mixing system
Diamond VXP	120 ton's		Micro system, Mixing system
Aureomycian	120 ton's		Micro system, Mixing system
EN 180 Lodestar Enzyme	48 ton's		Micro system, Mixing system

4. DESCRIBE CONTROL DEVICES

TYPE OF DEVICE	NAME / ID	GAS FLOW RATE SCFM	LIQUID FLOW RATE GAL/MIN	CONTROL EFFICIENCY (% WEIGHT)
AVSC Air Vent Filter	**Mac Equipment Bin Vent**	-	-	**80%**

5. MATERIALS RECLAIMED OR SHIPPED AS WASTE:

No Waste products to leave site.

IF APPLICABLE, COMPLETE THE ATTACHED SECTION Z-M.

SECTION Z-M. AIR POLLUTANT EMISSIONS

PROVIDE A SUMMARY OF THE PROJECTED ACTUAL AIR EMISSIONS ON AN ANNUAL BASIS FOR THE ENTIRE SITE IN THE FOLLOWING SUMMARY TABLES. ATTACH DETAILED CALCULATIONS TO SUPPORT THE FIGURES. **IF SUPPORTING CALCULATIONS ARE NOT INCLUDED WITH THE APPLICATION, THE APPLICATION WILL BE DEEMED INCOMPLETE.**

PROVIDE A SUMMARY OF THE ACTUAL AIR EMISSIONS ON AN ANNUAL BASIS FOR THE FOLLOWING THREE COLUMNS:

(i) EMISSIONS TO BE RELEASED FROM ONLY THE EQUIPMENT AND AFFECTED PROCESSES DESCRIBED ON THIS NOTIFICATION

(ii) THE ENTIRE SITE PRIOR TO THE MODIFICATION OF THE EQUIPMENT AND PROCESSES DESCRIBED IN (i) ABOVE.

(iii) THE ENTIRE SITE INCLUDING THE EMISSIONS IDENTIFIED IN (i) ABOVE. NORMALLY, THIS COLUMN WILL BE THE SUM OF COLUMNS (i) AND (ii).

POLLUTANT	ACTUAL EMISSIONS OR PROJECTED ACTUAL EMISSIONS IN POUNDS PER YEAR		
	COLUMN (I)	COLUMN (ii)	COLUMN (iii)
CARBON MONOXIDE (CO)			
OXIDES OF NITROGEN (NO_X)			
OXIDES OF SULFUR (SO_X)			
PARTICULATES OF 10 MICRONS OR SMALLER (PM_{10})			
TOTAL SUSPENDED PARTICULATES (TSP), INCLUDING PM_{10}			
VOLATILE ORGANIC COMPOUNDS (VOCs) [1]			
FEDERAL HAZARDOUS AIR POLLUTANTS (LIST EACH ONE SEPARATELY)::			

[1] VOCs are defined by EPA at: http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def_voc.htm

Attach detailed calculations to support the figures in the above summary tables. Do not include the emissions from motor vehicles. Include the emissions from stationary sources, portable sources, test areas, experimental facilities, evaporative losses, storage and handling losses, fuel loading and unloading losses, etc. Specifically identify the following in detailed calculations:

1. EMISSIONS FROM EACH POINT SOURCE AND EACH STACK
2. CAPTURE EFFICIENCIES
3. CONTROL EFFICIENCIES
4. OVERALL EFFICIENCIES
5. FUGITIVE EMISSIONS
6. NON-POINT (AREA) EMISSIONS

For particulate (dust) emissions, describe the types of particulates being emitted and the quantities of emissions for each type. Identify and quantify each and every type of VOC that is included in the above summary tables. Whenever a material is identified by a trade name, also provide its generic name and its chemical abstract service (CAS) number.

Help sheets for calculating emissions from specific industries or processes can be obtained at:
http://www.maricopa.gov/aq/divisions/planning_analysis/emissions_inventory/instructions.aspx

For additional help, small businesses may contact the Air Quality Department at (602) 506-6735 or at:
http://www.maricopa.gov/aq/

FEDERAL HAZARDOUS AIR POLLUTANTS LIST

(Federal Clean Air Act, Title I, Section 112(b))

CAS No.	Chemical name
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	2-Acetylaminofluorene
107028	Acrolein
79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
92671	4-Aminobiphenyl
62533	Aniline
90040	o-Anisidine
1332214	Asbestos
71432	Benzene (including benzene from gasoline)
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chloride
92524	Biphenyl
117817	Bis(2-ethylhexyl)phthalate (DEHP)
542881	Bis(chloromethyl)ether
75252	Bromoform
106990	1,3-Butadiene
156627	Calcium cyanamide
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
33904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
532274	2-Chloroacetophenone
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
1319773	Cresols/Cresylic acid (isomers and mixture)
95487	o-Cresol
108394	m-Cresol
106445	p-Cresol
98828	Cumene
94757	2,4-D, salts and esters
3547044	DDE
334883	Diazomethane
132649	Dibenzofurans
96128	1,2-Dibromo-3-chloropropane
84742	Dibutylphthalate
106467	1,4-Dichlorobenzene(p)
91941	3,3-Dichlorobenzidene
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)
542756	1,3-Dichloropropene
62737	Dichlorvos
111422	Diethanolamine
121697	N,N-Diethyl aniline (N,N-Dimethylaniline)
64675	Diethyl sulfate
119904	3,3-Dimethoxybenzidine
60117	Dimethyl aminoazobenzene
119937	3,3´-Dimethyl benzidine
79447	Dimethyl carbamoyl chloride
68122	Dimethyl formamide
57147	1,1-Dimethyl hydrazine
131113	Dimethyl phthalate
77781	Dimethyl sulfate
534521	4,6-Dinitro-o-cresol, and salts
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
123911	1,4-Dioxane (1,4-Diethyleneoxide)
122667	1,2-Diphenylhydrazine
106898	Epichlorohydrin (1-Chloro-2,3-epoxypropane)
106887	1,2-Epoxybutane
140885	Ethyl acrylate
100414	Ethyl benzene
51796	Ethyl carbamate (Urethane)
75003	Ethyl chloride (Chloroethane)
106934	Ethylene dibromide (Dibromoethane)
107062	Ethylene dichloride (1,2-Dichloroethane)
107211	Ethylene glycol
151564	Ethylene imine (Aziridine)
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride (1,1-Dichloroethane)
50000	Formaldehyde
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene-1,6-diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride (Hydrofluoric acid)
123319	Hydroquinone
78591	Isophorone
58899	Lindane (all isomers)
108316	Maleic anhydride
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide (Bromomethane)
74873	Methyl chloride (Chloromethane)
71556	Methyl chloroform (1,1,1-Trichloroethane)
60344	Methyl hydrazine
74884	Methyl iodide (Iodomethane)
108101	Methyl isobutyl ketone (Hexone)
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert butyl ether
101144	4,4-Methylene bis(2-chloroaniline)
75092	Methylene chloride (Dichloromethane)
101688	Methylene diphenyl diisocyanate (MDI)
101779	4,4´-Methylenedianiline
91203	Naphthalene
98953	Nitrobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
79469	2-Nitropropane
684935	N-Nitroso-N-methylurea
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
56382	Parathion
82688	Pentachloronitrobenzene (Quintobenzene)
87865	Pentachlorophenol
108952	Phenol
106503	p-Phenylenediamine
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls (Aroclors)
1120714	1,3-Propane sultone
57578	beta-Propiolactone
123386	Propionaldehyde
114261	Propoxur (Baygon)
78875	Propylene dichloride (1,2-Dichloropropane)
75569	Propylene oxide
75558	1,2-Propylenimine(2-Methyl aziridine)
91225	Quinoline
106514	Quinone
100425	Styrene
96093	Styrene oxide
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin
79345	1,1,2,2-Tetrachloroethane
127184	Tetrachloroethylene (Perchloroethylene)
7550450	Titanium tetrachloride
108883	Toluene
95807	2,4-Toluene diamine
584849	2,4-Toluene diisocyanate
95534	o-Toluidine
8001352	Toxaphene (chlorinated camphene)
120821	1,2,4-Trichlorobenzene
79005	1,1,2-Trichloroethane
79016	Trichloroethylene
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
121448	Triethylamine
1582098	Trifluralin
540841	2,2,4-Trimethylpentane
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride (1,1-Dichloroethylene)
1330207	Xylenes (isomers and mixture)
95476	o-Xylenes
108383	m-Xylenes
106423	p-Xylenes

Chemical name
Antimony Compounds
Arsenic Compounds (inorganic including arsine)
Beryllium Compounds
Cadmium Compounds
Chromium Compounds
Cobalt Compounds
Coke Oven Emissions
Cyanide Compounds[1]
Glycol ethers[2]
Lead Compounds
Manganese Compounds
Mercury Compounds
Fine mineral fibers[3]
Nickel Compounds
Polycylic Organic Matter[4]
Radionuclides (including radon)[5]
Selenium Compounds

For all listings above which contain the word "compounds" and for glycol ethers, unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical as part of that chemical's infrastructure.

[1] X´CN where X = H´ or any other group where a formal dissociation may occur. For example KCN or $Ca(CN)_2$.

[2] Includes mono- and di- ethers of ethylene glycol, diethylene glycol and triethylene glycol $R(OCH_2CH_2)_n$-OR' where:

n = 1, 2 or 3

R = alkyl C7 or less, or phenyl or alkyl substituted phenyl

R´ = H, or alkyl C7 or less, or carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

[3] Includes mineral fiber emissions from facilities manufacturing or processing glass, rock or slag fibers or other mineral derived fibers of average diameter one (1) micrometer or less.

[4] Includes organic compounds with more than one (1) benzene ring and which have a boiling point greater than or equal to 100°C.

[5] A type of atom which spontaneously undergoes radioactive decay